

AMENDMENTS TO CLAIMS

The following listing of the claims replaces all prior claim versions and listings.

1. (Previously Presented) An access control system, comprising:
 - (a) a plurality of identity badges including symbols located on each identity badge;
 - (b) a computer network for exchanging information between devices connected to said computer network;
 - (c) a video camera coupled to said computer network and operative to record digital images and send said digital images over said computer network;
 - (d) a badge reading computer connected to said computer network, said badge reading computer having access to said digital images and operative to execute symbol recognition software to identify said symbols on said identity badges from said digital images;
 - (e) a database coupled to said badge reading computer containing identity information and access control information associated with said symbols on each said identity badge; and
 - (f) an access control computer connected to said computer network, operative to receive badge identity data from said badge reading computer and control access to a secure area, wherein said database further comprises camera control information associated with said symbols on each said identity badge for initiating reprogramming of said camera and said access control computer is operative to reprogram said camera based on the camera control information.
2. (Original) An access control system according to claim 1, wherein said symbols are bar codes.
3. (Original) An access control system according to claim 1, wherein said symbols are color-coded.
4. (Original) An access control system according to claim 1, wherein access to said secure area is controlled by an electronic door lock which receives control messages from said access control computer over said computer network.
5. (Original) An access control system according to claim 1, further comprising a two-way

audio system to allow a person stationed at said access control computer and a person located near said video camera to communicate bi-directionally.

6. (Original) An access control system according to claim 1, further comprising a one-way audio system to allow a person stationed at said access control computer to communicate with a person located near said video camera.

7. (Original) An access control system according to claim 1, further comprising a one-way audio system to allow a person located near said video camera to communicate with a person stationed at said access control computer.

8. (Original) An access control system according to claim 1, further including a video recording system operative to record said digital images, said user information and said access control information.

9. (Original) An access control system according to claims 8, wherein said video recording system also records an audio feed from the area shown in said digital images.

10. (Original) An access control system according to claim 1, wherein said access control computer uses face verification software on said digital images to control access.

11. (Previously Presented) An access control system according to one of claims 5, wherein said access control computer uses voice verification to control access.

12. (Original) An access control system according to claim 1, wherein said access control computer is automated and capable of controlling access without an operator.

13. (Original) An access control system according to claim 1, wherein said access control computer is monitored and controlled by an operator.

14. (Original) An access control system according to claim 1, wherein said access control computers counts the number of badges viewed and the number of persons who gain access.

15. (Original) An access control system according to claim 1, wherein a plurality of video cameras are connected to said computer network.

16. (Original) An access control system according to claim 1, wherein said badge reading computer and said access control computer are integrated into one computer.

17. (Original) An access control system according to claim 1, wherein said badge reading computer, said database and said access control computer are integrated into one computer.

18. (Original) An access control system according to claim 1, wherein said badge reading computer is integrated into said camera.

19. (Original) An access control system according to claim 1, wherein said badges and said symbols can be used to reprogram one of: said camera, said badge reading computer, said access control computer, and a combination thereof.

20. (Previously Presented) An access control system, comprising:

- (a) a plurality of identity badges including symbols located on each identity badge;
- (b) a computer network for exchanging information between devices connected to said computer network;
- (c) a video camera operative to record and send analog images;
- (d) an analog-to-digital converter coupled to said computer network, operative to convert said analog images to digital images, said digital images then sent over said computer network;
- (e) a badge reading computer connected to said computer network, said badge reading computer having access to said digital images and operative to execute symbol recognition software to identify said symbols on said identity badges from said digital images;
- (f) a database coupled to said badge reading computer containing identity information and

access control information associated with said symbols on each said identity badge; and

(g) an access control computer connected to said computer network, operative to receive badge identity data from said badge reading computer and control access to a secure area,

wherein said database further comprises camera control information associated with said symbols on each said identity badge for initiating reprogramming of said camera and said access control computer is operative to reprogram said camera based on the camera control information.

21. (Original) An access control system according to claim 20, wherein said symbols are bar codes.

22. (Original) An access control system according to claim 20, wherein said symbols are color-coded.

23. (Original) An access control system according to claim 20, wherein access to said secure area is controlled by an electronic door lock which receives control messages from said access control computer over said computer network.

24. (Original) An access control system according to claim 20, further comprising a two-way audio system to allow a person stationed at said access control computer and a person located near said video camera to communicate bi-directionally.

25. (Original) An access control system according to claim 20, further comprising a one-way audio system to allow a person stationed at said access control computer to communicate with a person located near said video camera.

26. (Original) An access control system according to claim 20, further comprising a one-way audio system to allow a person located near said video camera to communicate with a person stationed at said access control computer.

27. (Original) An access control system according to claim 20, further including a video

recording system operative to record said digital images, said user information and said access control information.

28. (Original) An access control system according to claims 27, wherein said video recording system also records an audio feed from the area shown in said digital images.

29. (Original) An access control system according to claim 20, wherein said access control computer uses face verification software on said digital images to control access.

30. (Previously Presented) An access control system according to one of claims 24, wherein said access control computer uses voice verification to control access.

31. (Original) An access control system according to claim 20, wherein said access control computer is automated and capable of controlling access without an operator.

32. (Original) An access control system according to claim 20, wherein said access control computer is monitored and controlled by an operator.

33. (Original) An access control system according to claim 20, wherein said access control computers counts the number of badges viewed and the number of persons who gain access.

34. (Original) An access control system according to claim 20, wherein a plurality of video cameras are connected to said computer network.

35. (Original) An access control system according to claim 20, wherein said badge reading computer and said access control computer are integrated into one computer.

36. (Original) An access control system according to claim 20, wherein said badge reading computer, said database and said access control computer are integrated into one computer.

37. (Original) An access control system according to claim 20, wherein said badge reading computer is integrated into said camera.

38. (Original) An access control system according to claim 20, wherein said badges and said symbols can be used to reprogram one of: said camera, said badge reading computer, said access control computer, and a combination thereof.

39. (Currently Amended) A method of controlling access to a secure area, comprising:

- (a) recording a digital image of a person and an identity badge with a camera;
- (b) transmitting said digital image to a computer;
- (c) retrieving identity information and access control information from a database based on symbols on said identity badge;

(c1) retrieving cameral control information associated with said symbols;

- (d) comparing said identity information with said person in said digital image;
- (e) allowing access when a positive result arises from said comparison step; and
- (f) reprogramming said camera based on the camera control information.

40. (Original) The method of claim 39, wherein said comparison step is performed by a human operator.

41. (Original) The method of claim 40, wherein said comparison step is based on face verification.

42. (Original) The method of claim 40, wherein said comparison step is based on voice verification.

43. (Original) The method of claim 39, wherein said comparison step is automatically

performed by a computer.

44. (Original) The method of claim 43, wherein said comparison step is based on face verification.

45. (Original) The method of claim 43, wherein said comparison step is based on voice verification.

46. (Previously Presented) An access control system according to claim 7, wherein said access control computer uses voice verification to control access.

47. (Previously Presented) An access control system according to claim 26, wherein said access control computer used voice verification to control access.

48. (Previously Presented) The access control system according to claim 1, wherein said camera control information comprises control information for authorizing a remote software update for said camera and the said access control computer is operative to obtain a remote software update for said camera based on said control information.

49. (Previously Presented) The access control system according to claim 48, wherein said control information for authorizing a remote software update for said camera comprises control information for specifying a current version of the remote software update and the source of the remote software update.

50. (Previously Presented) The access control system according to claim 1, wherein said camera control information comprises control information for initiating changing the operating

mode of said camera and said access control computer is operative to change the operating mode of said camera based on said control information.

51. (Previously Presented) The access control system according to claim 50, wherein said control information for initiating changing the operating mode of said camera comprises control information for specifying mode parameters of said camera and authorization code to modify the mode parameters.

52. (Previously Presented) The access control system according to claim 20, wherein said camera control information comprises control information for authorizing a remote software update for said camera and the said access control computer is operative to obtain a remote software update for said camera based on said control information.

53. (Previously Presented) The access control system according to claim 52, wherein said control information for authorizing a remote software update for said camera comprises control information for specifying a current version of the remote software update and the source of the remote software update.

54. (Previously Presented) The access control system according to claim 20, wherein said camera control information comprises control information for initiating changing the operating mode of said camera and said access control computer is operative to change the operating mode of said camera based on said control information.

55. (Previously Presented) The access control system according to claim 54, wherein said control information for initiating changing the operating mode of said camera comprises control information for specifying mode parameters of said camera and authorization code to modify the mode parameters.